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University Letter

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President Kupchella Will Convene University Council April 29

President Kupchella will convene the spring meeting of the University Council at 3:30 p.m. Monday, April 29, in the Memorial Union Ballroom. The agenda will be announced soon.

All legislative powers of the University government are vested in the council, which has in turn delegated them to the University Senate. The presiding officer is the president or a person designated by the president, and the ex officio secretary is the University registrar. According to the University constitution, the council consists of the following who are employed primarily on the Grand Forks campus: the president, the vice presidents, the University registrar, the director of libraries, all deans, all department chairs, all full-time faculty of the rank of instructor, assistant professor, associate professor, and professor, the director of the counseling center, the professional library staff, and such other academic personnel and administrative officers as the council may designate.

All members of the council, and interested non-members including students, are encouraged to attend. - *Charles Kupchella, President.*

U.S. Senator Dodd Is UND Spring Commencement Speaker; Sen. Dorgan Also To Attend May 11 Commencement

U.S. Sen. Chris Dodd from Connecticut will be the speaker at the University of North Dakota's 114th Spring Commencement, Saturday, May 11, at 1:30 p.m. at the Alerus Center. Nearly 1,400 students (1,389) are eligible to get degrees in May from UND, including law and medicine students. U.S. Sen. Byron Dorgan, who helped invite Sen. Dodd, will also attend Spring Commencement.

The School of Medicine and Health Sciences will hold commencement exercises on Saturday, May 4, at 1:30 p.m. at the Chester Fritz Auditorium. Bismarck native Dr. Frederick Montz, Johns Hopkins Medical Institutions, will deliver the commencement address to 54 students.

The School of Law will hold commencement exercises on Saturday, May 11, at 10 a.m. in the Chester Fritz Auditorium. Judge Kermit Bye, 8th Circuit Court of Appeals, Fargo, will be the commencement speaker for the 64 graduating students.

Andrews, Kunkel Named To Board Of Higher Ed

Gov. John Hoeven has named Susan Andrews of Mapleton and re-appointed Richard Kunkel of Devils Lake to the Board of Higher Education.

Andrews is currently the executive director of the YWCA at NDSU. She serves on the North Dakota Education Fact Finding Commission; the Fargo Public Schools Foundation; and the Fargo-Moorhead Area Foundation. Between 1991 and 1998 she served as president, vice president and chair of facilities on the Fargo Board of Education. She has been active in numerous other education and professional committees, commissions and civic groups. Andrews studied political science at UND and earned a bachelor of science degree in home economics from NDSU.

Kunkel, who has served on the board since 1999, is an educator with 33 years of experience. Between 1970 and 1990 he

served as the superintendent of the Devils Lake Public Schools. He has also served as a high school teacher, a professor of education at UND, and a principal.

Kunkel served in the North Dakota House of Representatives between 1990 and 1998, where he was on education and appropriations committees. He is a member of numerous civic and education organizations, including the UND-Lake Region Community College Foundation. He earned a bachelor of science degree from Minot State University and doctorate degree in education from UND. – *Larry Isaak, Chancellor, North Dakota University System.*

Volunteers Needed For Spring Commencement On May 11

Your help is requested for spring commencement 2002 which will be held Saturday, May 11, at the Alerus Center. Green jacket volunteers assist by seating guests, helping organize our graduates, and greeting campus visitors who will be attending the ceremony.

Commencement begins at 1:30 p.m. and all volunteers are asked to report to the ballroom of the Alerus Center by 11:30 a.m. for a short briefing and to receive their assignments. We anticipate that commencement will conclude by approximately 4 p.m.

Please contact Tammy J. Anderson in the office of the vice president for student and outreach services at 777-2724 or e-mail her at tammy_anderson@mail.und.nodak.edu by Friday, May 3, to let us know if you will be able to participate. Please feel free to call if you have any questions. – *Fred Wittmann, Office of the Vice President, Student and Outreach Services.*

Events to Note

Women Studies Reception Honors Martha Potvin

The instructors and affiliates of women studies cordially invite you to a reception for the dean of arts and sciences Martha Potvin. This informal get together is being held at the Women's Center, 305 Hamline St., **Friday, April 12**, at noon. Following a formal introduction and some comments from the dean there will be the opportunity to enjoy some food and chat with the dean and those present until about 1 p.m. We hope you will be able to join us, even if it is just for part of the hour. If you have questions feel free to contact me. – *Wendelin Hume, Criminal Justice/Sociology, and Director of Women Studies, 777-4115.*

NASA Scientist To Speak At Atmospheric Sciences Seminar

Eric A. Smith, project scientist for the global precipitation measurement (GPM) mission, NASA/Goddard Space Flight Center, will present a seminar on "Theoretical and Practical Aspects of Validating Remote Sensing Estimates of Rainfall," **Friday, April 12**, at 3 p.m. in 111 Ryan Hall.

The following is a summary of Mr. Smith's abstract. NASA's earth science enterprise research program, a component of the United States global climate change research program, the world climate research program, and the international geosphere-biosphere program, is organized to develop a scientific understanding of the Earth system and its response to natural and human-induced changes. The primary goal of ESE is to answer the question: "How is the Earth changing and what are the consequences for life on Earth?" Because the global water and energy cycle (GWEC) is central to Earth system variability and thus climate dynamics and variability, it is a primary focus of the ESE research strategy. The scientific success of the recent tropical rainfall measuring mission (TRMM) and additional satellite-focused efforts on measuring rainfall have paved the way for more advanced mission concepts, now specifically the global precipitation

measurement (GPM) mission. Recognizing the need for more accurate, more frequent, and fully global precipitation measurements to address key GWEC science questions, GPM is now the highest priority mission in support of ESE's GWEC initiatives.

The main scientific goal of the GPM mission, currently planned for launch in the 2007 time frame, is to address looming scientific questions arising in the context of global climate-water cycle interactions, weather prediction, climate prediction, and hydrometeorological predictions (with emphasis on short-term flooding and seasonal flood/draught and freshwater resource conditions). GPM plans to expand the scope of precipitation measurement through the use of a constellation of nine satellites, one of which will be an advanced TRMM-like "core" satellite carrying a dual-frequency Ku-Ka band precipitation radar and an advanced, multifrequency/polarametric passive microwave radiometer.

The Odegard School's Atmospheric Sciences department is hosting this seminar, the fifth in a series. This seminar is free and open to the public – *Department of Atmospheric Sciences*.

Psychology Plans Colloquium April 12

The psychology department will hold a colloquium in which Raymond Miltenberger, NDSU, will present "The Influence of Problem Function on Choice as a Treatment for Problem Behaviors in the Classroom," at 3:30 p.m. **Friday, April 12**, 302 Corwin/Larimore Hall. Everyone is welcome. – *Psychology Department*.

Tickets Available For Sugar Ray

University Program Council presents Sugar Ray Saturday, **April 13**, at 7:30 p.m., at the Ralph Engelstad Arena. Free tickets are now available with a valid student, faculty, or staff ID. Please pick them up during regular box office hours before Friday, April 12, at the Arena. Tickets will also be available for guests for \$10, one per student ID.

No alcohol will be allowed on the premises. No backpacks, flash photography, or recording equipment may be brought into the facility. Doors will open Saturday, April 13, at 6 p.m. – *Angie Anderson, Student Body Vice President*.

Graduate Committee Meets Monday

The graduate committee will meet **Monday, April 15**, from 3:05 to 5 p.m. in 305 Twamley Hall. The agenda will include:

1. Approval of minutes from April 8, 2002.
2. Request by civil engineering to offer a combined bachelor of science in civil engineering (BSCE)/master of engineering (MEng) degrees.
3. Discussion continues regarding the proposed Ph.D. in space studies with four concentrations: space business, space policy, space systems engineering, and space studies.
4. Update on graduate faculty constitution.
5. Program review for teaching and learning - those involved in these reviews will be asked to stay to discuss procedures.
6. Matters arising.

– *Joseph Benoit, Dean, Graduate School*.

Electrical Engineering Faculty Candidate Gives Seminar

Saleh Farugue, a candidate for a faculty position in electrical engineering, will present “CDMA Overview: Technology, Challenges and Solutions” at noon **Monday, April 15**, in 324 Harrington Hall.

Today, with the advent of radio technology, cellular communication has reached all walks of life. Among various access techniques such as FDMA, TDMA and CDMA, the latter is currently becoming more and more popular within the North American cellular industry. Beginning with a brief overview of cellular systems, this presentation quickly moves on to CDMA cellular techniques currently in use throughout the United States and elsewhere. It then highlights various challenges facing CDMA and offers possible solutions. – *David Heckmann, Department of Electrical Engineering.*

Doctoral Examinations Set For Four Candidates

The final examination for Mark Romanick, a candidate for the Ph.D. degree with a major in physiology, is set for 10 a.m. **Monday, April 15**, in 3933 Edwin James Research Facility, School of Medicine and Health Sciences. The dissertation title is “Antioxidant Defense in Exercised Skeletal Muscle of the Aging-Delayed Ames Dwarf Mouse.” Holly Brown-Borg (pharmacology, physiology and therapeutics) is the committee chair.

The final examination for Debra K. Schroeder Syvertson, a candidate for the Ed.D. degree with a major in educational leadership, is set for 11 a.m. Tuesday, April 16, in Room 208, Education Building. The dissertation title is “Career Paths and Mobility Issues of Women Administrators in North Dakota Public Schools.” Gerald Bass (educational leadership) is the committee chair.

The final examination for Mark Hayden Foster, a candidate for the Ph.D. degree with a major in English, is set for 3:30 p.m. Thursday, April 18, in 21 Montgomery Hall. The dissertation title is “For Lima Has Taken the White Veil.” David Marshall (English) is the committee chair.

The final examination for Dana C. Haagenson, a candidate for the Ph.D. degree with a major in chemistry, is set for Friday, April 19, in 101 Abbott Hall. The dissertation title is “Syntheses, Structures, and Characterizations of Diazasilaphosphetidines and Their Metal Complexes.” Lothar Stahl (chemistry) is the committee chair.

Members of the Graduate Faculty are invited to attend. – *Joseph Benoit, Dean, Graduate School.*

President Kupchella To Speak At Wellness Coalition Luncheon

Students, faculty, and staff are invited to attend the spring 2002 Healthy UND wellness coalition meeting at noon **Tuesday, April 16**, in the Memorial Union Lecture Bowl. A luncheon will be served in the Memorial Union Sioux Room at 11:30 a.m. The agenda includes comments by President Kupchella on his vision of wellness, a report from student government leaders Matt Brown and Mike Cleveland, and a presentation by Phil Harmeson on the proposed plans to renovate Hyslop Sports Center for a wellness center. Please RSVP for the luncheon by contacting Phyllis Norgren, student health promotion office, 777-2097, phyllis.norgren@und.nodak.edu, before Friday, April 12. – *Jane Croeker, Student Health Promotion Office, Student Health Services.*

Museum Hosts Open Mic Session For Poets

Poets are invited to read their work at the North Dakota Museum of Art open microphone session Wednesday, April 17, at 7:30 p.m. Readings should be no longer than five minutes, but if time allows, there may be a second chance to read.

The North Dakota Museum of Art readers series began in 1991 and gives writers, story-tellers and actors a venue for their talents. The Series has included published fiction writers, playwrights, poets, Native American and Norwegian story-tellers and Fire Hall Theater actors.

The evening is free and open to the public. Call 777-4195 for more information.

Medical School Presents Frank Low Research Day

The 22nd annual Frank Low research day will be held **Thursday, April 18**, at the Bio-Information Learning Resources Center, School of Medicine and Health Sciences.

The schedule follows: 10 to 11 a.m., keynote speaker, Mary J.C. Hendrix, Katedaum research professor, head, department of anatomy and cell biology, associate director of basic research and deputy director, Holden Comprehensive Cancer Center, University of Iowa, will present "The Plasticity of Aggressive Tumor Cells"; Siegfried Detke (biochemistry and molecular biology) will present "TOR, Progenitor of a New Atypical Multidrug Resistance Mechanism in Leishmania (and Other Organisms?)"; Jody Rada (anatomy and cell biology) will present "Regulation of Scleral Extracellular Matrix Changes During the Development of Myopia"; William Mann (Grand Forks Family Practice residency program) will present "Inquiry Into an Evidence Based Medicine Curriculum for Family Practice Residents"; and Gregory Holzman (community medicine) will present "Evaluating a Media Campaign to Promote Pneumococcal Immunizations: Is a Random Digit Dial Telephone Survey an Effective Strategy?"

Frank Low research day provides a forum where faculty and students can be exposed to the recent research interests and activities of their colleagues. Held for the first time in the spring of 1981, research day was dedicated in the name of Frank N. Low, upon his retirement as a gesture of recognition for his contributions to research at the School of Medicine. The UND School of Medicine and Health Sciences Department of Anatomy and Cell Biology Conference Room was named for Professor Emeritus Frank Low at a special ceremony Friday, April 12, 1996. Dr. Low, who served 17 years in the school of medicine, joined the faculty as a Hill research professor in 1964. He continued his research activities as professor emeritus of anatomy at Louisiana State University until his death on April 28, 1998.

Frank Low Research Day is sponsored and supported by Dean H. David Wilson.

"Einstein's Biggest Blunder?" Is Phi Beta Kappa Lecture April 18

Noted astronomy professor Alex Filippenko of the University of California, Berkeley, will discuss the possibility that the universe is expanding faster than expected during a public lecture hosted next week by the UND chapter of Phi Beta Kappa. The discovery of evidence for an accelerating universe earned Filippenko's team of scientists the honor of being named the top "Science Breakthrough of 1998" by Science magazine. He has published more than 330 articles in his research into exploding stars, active galaxies, black holes and the expansion of the universe.

Filippenko will speak at 8 p.m. **Thursday, April 18**, in 211 Rural Technology Center. The speech, titled "Einstein's Biggest Blunder? The Case for Cosmic 'Antigravity,'" is free and open to the public. Filippenko's visit is co-sponsored by the honors program, integrated studies program, UND chapter of Phi Beta Kappa, department of physics, college of arts and sciences, office of the provost and office of the president.

Phi Beta Kappa, founded in 1776 at the College of William and Mary, is the nation's oldest and most prestigious honor society for the liberal arts. UND's chapter, the only one in North Dakota, began in 1913.

For more information, contact me. – *Dale Zacher (Communication), Vice President, UND Chapter of Phi Beta Kappa, 777-4344.*

WAC Will Discuss Writing In General Education Courses

Writing in general education classes will be the topic of the **Thursday, April 18**, writing across the curriculum (WAC) discussion group meeting, scheduled for noon to 1 p.m. in the Memorial Room of the Union. The session is titled, "Writing in Gen Ed Classes: What's Expected and Why it Matters (Seven Kinds of Writing Assignments that Make Sense)." Ray Diez (Industrial Technology), chair of the general education committee, will begin the session with brief comments about the committee's philosophy regarding writing. A handout on assignments that may be appropriate (in terms of both leveraging learning and minimizing grading) in large, often lower division general education classes will be provided during the session.

To register for lunch (provided by the WAC program), call 777-4998 or e-mail joan_hawthorne@und.nodak.edu. Lunch reservations must be received by noon Tuesday, April 16. – *Joan Hawthorne, Coordinator, Writing Across the Curriculum.*

International Centre Hosts Thursday Cultural Programs

The International Centre will host cultural programs at 7 p.m. **Thursdays** in the Centre, 2908 University Ave. The **April 18** program will feature Germany. Everyone is invited. – *Office of International Programs, 777-4231.*

EERC Launches Waffle Project On 5-Year Flood Anniversary

On the five-year anniversary of the 1997 Red River flood, leaders at the Energy and Environmental Research Center (EERC) will not be waxing nostalgic about our region's past triumph over adversity.

Instead, hosting a free waffle breakfast on **Friday, April 19**, at 8:30 a.m., the EERC will publicly launch "The Waffle," a three-year project to determine the feasibility of developing a basin-wide system for temporary storage of floodwater in the Red River Basin, which has now been funded by the U.S. Department of Agriculture.

"We encourage residents and regional leaders alike to use this moment to look ahead a few years to the day when the Red River Valley is a national model for basinwide water management," said Gerald Groenewold, EERC Director. "This vision of the future will be as vivid as our memories of the '97 flood, if, as a region, we combine creative talent and energy with solid, objective information to aggressively develop basinwide water strategies."

Because the theoretical maximum flood levels in the Red River Basin are considerably higher than the levels of protection that can be provided by dikes, an augmentation to structural systems must be found to ensure long-term security from flooding. Applying the concept of a breakfast waffle, with its many little square syrup reservoirs, the flood mitigation effect of the waffle project could theoretically be accomplished by utilizing low-relief fields bounded by county roads in order to temporarily create microstorage pools during major flood events.

"Since the '97 flood, I have taken on the fight for an objective evaluation of the waffle as a personal crusade," said Groenewold, "because without water security, regional economic development efforts are entirely in vain."

Flooding in '97 forced the EERC to close for 20 days and resulted in damages estimated at \$40-\$45 million in lost equipment and business. Since then, however, the EERC has not only covered its losses, it has grown, both in terms of staff and contract revenue. In 1999, contract awards exceeded \$11 million. By 2001, contract awards had grown to just over \$19 million. Currently, the EERC has openings for 23 new positions and anticipates breaking ground this year on an \$8 million, 41,000-square-foot building expansion.

Understandably, the waffle has received a great deal of attention because of its potential as an augmentation to dike systems for flood mitigation. However, it can also be an invaluable tool in times of drought. On average, nearly a third of the water that flows down the Red River each year comes during April. Therefore, in most years, the problem is not

that there is too much water, but that the water is not available when it is needed most. Using the waffle to manage water throughout the Red River Basin could provide benefits in both wet and dry years.

For example, during dry years, rather than allowing water from snowmelt to run off, it could be used to help farmers retain soil moisture. Water captured in the waffle during the spring could also be used to recharge aquifers that are depleted by droughts and pumping for irrigation and municipal use.

The waffle breakfast will begin at 8:30 a.m. at the EERC, 15 North 23rd Street, Grand Forks. An overview of the waffle project will be presented at 9 a.m. For more information about the breakfast, contact Linda Quamme at 777-5131 or lquamme@undeerc.org. For information about the waffle project, call Ed Steadman, EERC Associate Director for Research, at 777-5157, esteadman@undeerc.org.

For more information contact me. – *Barbara Steadman, EERC Communications Manager at 777-5113, bsteadman@undeerc.org, mailto:bsteadman@undeerc.org*.

Wind Ensemble, University Band Host Guest Composer/Conductor

The wind ensemble and University band, conducted by James Popejoy, will present a concert at 7:30 p.m. **Friday, April 19**, at the Chester Fritz Auditorium. Noted conductor and composer Jack Stamp will guest conduct both ensembles in his music, including one selection that will feature Anne Christopherson, assistant professor of voice. The UND “Pride of the North” drumline will also perform on this concert. Tickets, available at the door, are \$5 for general admission and \$3 for students.

Jack Stamp is professor of music and conductor of bands at Indiana University of Pennsylvania where he conducts the wind ensemble, symphony band, and teaches courses in undergraduate and graduate conducting. Dr. Stamp received his B.S. in music education from Indiana University of Pennsylvania, a master’s in percussion performance from East Carolina University, and a D.M.A. in conducting from Michigan State University, where he studied with Eugene Corporon. Prior to his appointment at IUP, he served as chair of the division of fine arts at Campbell University in North Carolina, having also taught for several years in the public schools of North Carolina. In 1996, he received the Orpheus Award from the Zeta Tau Chapter of Phi Mu Alpha for service to music and was named distinguished alumnus of IUP. In 1999, he received the citation of excellence from the Pennsylvania music educators association. In 2000, he was inducted into the prestigious American Bandmasters Association. Dr. Stamp is active as a guest conductor, clinician, adjudicator, and composer throughout North America and Great Britain. His compositions have been commissioned and performed by leading military and university bands across the United States. He is also a contributing author to the “Teaching Music Through Performance in Band” series. Dr. Stamp will be in-residence at UND as a clinician for the department of music’s conducting symposium Friday and Saturday, April 19 and 20.

Three pieces by Jack Stamp, his “Gavorkna Fanfare,” “The Melting of the Winter’s Snow,” and the “Elegy and Affirmation” will be featured on the program. Other selections include the music of Percy Grainger, Frank Ticheli, Clifton Williams, John Philip Sousa, and Henry Fillmore. The wind ensemble will also present a special performance of Morton Gould’s historic Symphony No. 4, “West Point.” This month marks the 50th anniversary of this important work for winds and percussion, written in 1952 to commemorate the sesquicentennial celebration of the United States Military Academy.

For additional information concerning this performance, please contact the band department at 777-2815.

Soaring Eagle Prairie Dedication Is April 23

The soaring eagle prairie dedication ceremony is set for **Tuesday, April 23**. This is a very special time as we welcome back prairie to central campus and into our lives. We look forward to seeing you then. Dedication day events are: 4:30 p.m., dedication ceremony at the soaring eagle prairie (behind Chester Fritz Library); 5:30 p.m., meal at International

Centre, 2908 University Ave.; 7 p.m., evening of sharing prairie stories, International Centre. – *Glinda Crawford (Sociology), for Soaring Eagle Prairie Planners.*

Fulbright Scholar Program Briefing Set

A briefing about the Fulbright scholar program will be held at the International Centre, 2908 University Ave., at 4 p.m. **Wednesday, April 24.** The briefing will address traditional Fulbright, distinguished chair, seminar for international education administrators, and German studies seminar award programs. The briefing will also cover the new senior specialist, new century scholar, and alumni initiative award programs. Moreover, the briefing will include information concerning the ways to host a visiting Fulbright scholar at UND. If you are interested in attending this briefing, please contact Will Young at 777-3935. – *Will Young, Associate Director of International Programs.*

UND Seniors Invited To Operation Graduation

Faculty and staff are asked to share this information with students in your classes/departments.

The UND alumni association and telesis, the UND student alumni association, invite all seniors to Operation Graduation **Wednesday, April 24.** Meet at the J. Lloyd Stone Alumni Center between 11 a.m. and 2 p.m. for free food, gifts, prizes and the opportunity to learn what the Alumni Association can do for you. – *Stacy Nelson, Alumni Association.*

Music Hosts Saxophone Duo

The Mazzoni saxophone duo will play an instrumental chamber concert at 7:30 p.m. **Wednesday, April 24,** in the Josephine Campbell Recital Hall, Hughes Fine Arts Center.

Lucy Derosier Mazzoni, a native of Red Lake Falls, Minn., and graduate of Bemidji State University, will perform with her husband, Massimo Mazzoni. Ms. Derosier has been a fully established performer and teacher in Italy since 1989. Mr. Mazzoni graduated, with honor, from the Conservatory “G. Rossini,” in Pesaro, Italy. He has performed throughout Europe, Asia and the U.S. as soloist and in chamber concerts with his wife, and his own chamber ensemble. Both artists have recorded on the labels of Italian Edition BMG (RCA of Italy) and Edipan. A master class is free and open to the public on Monday, April 22, from 2 to 4 p.m., also in the Recital Hall. – *Music Department, 777-2644.*

Black Youth Leadership Council President Visits Campus

Dennis Rahiim Watson, president of the National Black Youth Leadership Council, will be on campus Thursday and Friday, April 25 and 26. He will be available to talk with faculty, administration and staff from 10 to 11 a.m. **Friday, April 26,** in 110 Education. His topic for the day is “Multiculturalism, Diversity, and Inclusion: One America.” – *M.C. Diop, Director of Multicultural Student Services.*

Qualitative Methods Workshop Planned For April 24, 25

A qualitative methods workshop will be held at the Rural Technology Center **Wednesday and Thursday, April 24-25.** This workshop is designed to develop your interest and expertise in qualitative research methodologies, and will be beneficial in attracting funding.

The workshop is intended for any faculty member or graduate student interested in qualitative research methods and

writing a competitive proposal using these methods. Participants will range from novices to experts in using qualitative methodologies for research.

The first day of the workshop features Joann Congdon and the second day Lauren Clark from UCHSC School of Nursing, Denver, is a hands-on ethnograph software demonstration featuring John Seidel, creator of Ethnograph Software, and Ray Maietta from ResearchTalk, Inc.

Qualified participants may earn graduate credit toward academic course work. To register or to find out more information please call 777-2663. The workshop is sponsored by the college of nursing, Odegard school of aerospace sciences and the college of education and human development.

UND Hosts Midwest Geometry Conference April 26-28

The 12th Midwest geometry conference will take place in the Fred Orth Lecture Bowl in the Memorial Union **Friday through Sunday, April 26-28**. The conference will include five sessions:

Friday, April 26, 1:30 p.m.:

1. Lie groups and geometry: Jiri Dadok, Indiana University faculty member, will present "Geometry of Small Representations of Compact Lie Groups"; C. Robin Graham, University of Washington faculty member, presentation title to be announced; Bernhard Kroetz, Ohio State faculty member, will present "Holomorphic Aspects of Harmonic Analysis on Riemannian Symmetric Spaces."

Saturday morning, April 27:

2. Geometric PDE: Sigurd Angenent, University of Wisconsin at Madison faculty member, will present "Precise Asymptotics for Singularities in Harmonic Map Flow"; Bennett Chow, University of California, San Diego, will present "A Pinching Estimate for the Linearized Ricci Flow"; Matt Gursky, Notre Dame, will present "A New Variational Characterization of 3-Dimensional Space Forms."

Saturday afternoon, April 27:

3. Quantum geometry and topology: Abhay Ashtekar Penn State physics faculty member, will present "Quantum Geometry and Its Applications"; Louis Kauffman, University of Illinois at Chicago, will present "Knots and Functional Integration without Integration"; Jack Morava, Johns Hopkins University, will present "Cobordism Categories and Evolution Equations."

Saturday, April 27, 8 p.m., Sioux room, Memorial Union:

4. Future directions, moderators: Tom Branson, University of Iowa, and Bob Stanton, Ohio State. Overview: the moderators and participants will discuss the state of the art, current directions, and emerging opportunities in the fields represented at the conference.

Sunday morning, April 28:

5. Gravitation: Abhay Ashtekar, Penn State physics faculty member, will present "Quantum Geometry and Its Applications"; Peter van Nieuwenhuizen, SUNY Stony Brook physics faculty member, presentation title to be announced; Andrew Waldron, University of California, Davis, presentation title to be announced.

The talk by Abhay Ashtekar is a joint talk for the gravitation and quantum geometry and topology sessions and will be scheduled Saturday afternoon, April 27.

The organizers of the Midwest geometry conference encourage participation by graduate students, junior mathematicians and scientists, postdoctoral researchers, women, members of underrepresented groups, experienced

geometers, as well as scientists and mathematicians from fields outside of geometry.

The 12th Midwest geometry conference is sponsored by the National Science Foundation, North Dakota EPSCoR, NDSU, and UND.

For further information, see the conference web site at <http://www.und.nodak.edu/dept/math/mgc2002>. – *Larry Peterson, Mathematics*.

Gary, Page Towne Honored By Symphony

A toast to the Townes! The Century Club of the Greater Grand Forks Symphony Orchestra will hold its annual dinner **Tuesday, April 30**, from 6 to 9 p.m. at the Grand Forks Country Club. This year's dinner will honor Gary and Page Towne.

Gary Towne is the chair of the music department and champions music through his teaching and research. He has degrees in music theory from Yale University and in music history from the University of California, Santa Barbara. Dr. Towne has received grants from the Gladys Krieble Delmas Foundation and a Fulbright for his research on music during the Renaissance in Bergamo, Italy. He has just published the first volume (Masses) of the Collected Works of Gaspar de Albertis, a composer from Bergamo, and has articles in several major journals.

Page Towne is a former executive director of the symphony under whose leadership the young audience concert blossomed. She is currently rector at St. Paul's Episcopal Church in Grand Forks.

The Century Club was established in 1995 to provide scholarships for young musicians and to contribute to the symphony endowment. For 93 years the symphony has brought the community together in celebration of great music. Over the last few years the symphony has expanded its scope to include young musicians in the youth symphony, junior symphony, a middle school strings program, and a summer strings program. This expansion has served to increase the appreciation and enjoyment of strings music in our community. It is the mission of the Century Club to see that our symphony remains strong and continues to grow.

This year's dinner will be held April 30, the eve of May Day, and will resonate with all things May Day: music, flowers, new growth, and fun. There will be private concerts by the Greater Grand Forks strings trio and Divertimento, a quartet of youth symphony strings musicians. Call Caprice Benoit at 746-6687 for more information.

University Senate Meets May 2; Agenda Items Due

The University Senate will meet **Thursday, May 2**, at 4:05 p.m. in Room 7, Gamble Hall. Agenda items for this meeting are due in the office of the registrar by noon, **Thursday, April 18**. It is recommended that some detail be included in the agenda items. – *Nancy Krogh (Registrar), Secretary, University Senate*.

Submit Travel Grant Applications By May 1

Wednesday, May 1, is the final deadline for submission of Senate scholarly activities committee travel grant applications for fiscal year 2001-2002. This deadline is for travel occurring between May 2, 2002, and Sept. 15, 2002.

The committee reminds applicants to carefully prepare their proposals and be specific and realistic in their budget requests. Although the SSAC encourages submission of travel requests, the committee takes into consideration the most recent SSAC award granted to each applicant. Priority will be given to beginning faculty and first-time applicants.

Application forms are available at the office of research and program development, 105 Twamley Hall, 777-4278, or on

ORPD's home page (on UND's home page under "research"). Please feel free to contact ORPD at 777-4278 for information or guidance when preparing your application. – *Garl Rieke (Anatomy and Cell Biology), Chair, Senate Scholarly Activities Committee.*

Agenda Items Due Soon For IRB Meeting

The institutional review board will meet at 3 p.m. **Friday, May 3**, in 305 Twamley Hall to consider all research proposals submitted to the office of research and program development before Tuesday, April 23. Proposals received later will be considered only if a quorum has reviewed them and time permits.

Clinical medical projects must be reviewed by the clinical medical subcommittee before being brought to the full board. Proposals for these projects are due in the office of research and program development **Tuesday, April 16.**

Notes from the meeting will be available in ORPD approximately one week after the meeting. – *John Madden (Communication Sciences and Disorders), Chair, Institutional Review Board.*

Missouri River Ecosystem Focus Of Talk

The Northern Great Plains Center for People and the Environment presents "The Missouri River Ecosystem: Exploring the Prospects for Recovery," presented by W. Carter Johnson, professor of ecology, South Dakota State University, Brookings, at 3 p.m. **Monday, May 6**, at Clifford Hall Auditorium.

Over the past century, human activity has caused substantial ecological changes to the 530,000 square mile Missouri River basin. Statehood, federalism, and regional demands for the benefits from the Missouri's control and management have resulted in significant physical and hydrologic modifications to the river. Much of the Missouri has been dammed, straightened and channelized, greatly reducing natural habitat and the abundance of native species and communities.

Dr. Johnson's research interests include river regulation and riparian forest ecology, climate change and prairie wetlands. He is a life member of the Ecological Society of America and serves on the editorial boards for "Landscape Ecology" and "Wetlands" and on the National Research Council's Committee on the Missouri River Ecosystem.

Dr. Johnson will discuss an adaptive management approach to reverse the ecological decline of the Missouri River. The approach holds promise in designing experiments that improve river ecology and increase the flexibility of river management policies and organizations.

For more information contact me. – *Rebecca Phillips, Upper Midwest Aerospace Consortium, 777-6160, rebecca@aero.und.edu.*

Spring Commencements Are Saturdays

General Spring Commencement will be held **Saturday, May 11**, at 1:30 p.m. in the Alerus Center, not on Sunday as in previous years. The Medical School Commencement will be held at 1:30 p.m. Saturday, May 4, at the Chester Fritz Auditorium. Law School Commencement will be at 10 a.m. Saturday, May 11, in the Chester Fritz Auditorium. – *Fred Wittmann, Vice President for Student and Outreach Office.*

Tickets On Sale For Staff Recognition Ceremony

The 2002 recognition ceremony for Staff Personnel will be held **Tuesday, May 14**, at the Memorial Union Ballroom

beginning at 11:30 a.m. Employees will be recognized for years of service in five year increments, 10 meritorious service awards will be presented, and the winner of the Ken and Toby Baker UND proud award will be announced. Tickets may be purchased in the Office of Personnel Services, 313 Twamley Hall for \$3.50 each or from the personnel manager in your department. Tickets must be purchased no later than Wednesday, May 8. All members of the University community are invited. – *Diane Nelson, Director, Office of Personnel Services.*

Registration Open For Chamber Music Program

Registration is now open for summer strings and summer strings, too, chamber music programs for students in fifth through ninth grades. The program, which meets from **June 3 to June 27**, returns to UND's Hughes Fine Arts Center for its third season. Summer strings meets three days a week for two hours each day and culminates in a public performance at the Josephine Campbell Recital Hall. Summer strings, too meets twice a week and also ends with a public recital. Students may register until Saturday, May 18, or until classes fill.

Summer strings is for students in 7th-9th grades who have mastered certain technical skills and are at the level of mid-Suzuki book 3 or higher (or equivalent). Summer strings, too is for students in 7th grade and under who are playing at least at the level of mid-Suzuki book 2 or mid-to-end of book 2 of their school orchestra book. They should be able to read music, and cellists should have some introductory shifting experience. Please call the symphony for further information about playing requirements.

During the program, students work cooperatively with other musicians at their own level to develop rehearsal techniques, musical concepts, and a team approach to ensemble playing. Ensemble members practice in small groups and with coaches to learn trio and quartet music from the standard repertoire usually including works by Mozart, Bach and Haydn.

Summer strings is directed by Naomi Welsh, principal cellist with the Greater Grand Forks symphony. The program fee is \$40 for summer strings and \$30 for summer strings, too, and covers registration, instruction and music. Scholarships are available.

Summer strings and summer strings, too are both sponsored by the Greater Grand Forks Symphony Association's youth orchestra program with help from the Grand Forks Park District Ulland Fund and Marshall Field's. For further information or to register, please call the Symphony office at 777-3359. – *Greater Grand Forks Symphony.*

Alumni Center Celebrates 100th Anniversary; Volunteers Sought

The J. Lloyd Stone Alumni Center will celebrate its 100th anniversary **Thursday, June 13**. There will be an open house from 1:30 to 5 p.m., special performances at 2 and 3:30 p.m., and a program at 4 p.m.

We will recreate the early 1900s, complete with costumes and music. We are seeking volunteers to help make this special event a success. If you enjoy history, dressing up in period clothing, and giving visitors a glimpse of the past, contact us at 777-2611, and ask for DeAnna Carlson Zink, Stacy Nelson, or Brenda Ling. If being in the public eye isn't for you, there are plenty of behind-the-scenes projects! – *Brenda Ling, UND Alumni Association and UND Foundation.*

Announcements

Advisors Asked To Keep Fall 2002 Integrated Studies Program In Mind

If you are meeting with students regarding their fall course registration, please keep the integrated studies program in

mind as an option for students working on general education course work.

In its 17th year, the integrated studies program continues to emphasize the skills defined in the University general education goals: critical thinking, communication, creative thinking, recognizing relationships, evaluating choices, and exploring other cultures. The program offers a multi-disciplinary cluster of courses each semester, all of which fulfill general education credits. The fall 2002 program will include 13 credits: English composition, humanities, inquiry in social sciences, and integrated studies life science (non-lab).

Curriculum is organized around a broad semester theme, which will be “Changing Landscapes” in the fall, and is carried out in a variety of ways including discussions of texts and library research work, written work, guest presentations, field trips, and cooperative projects. The majority of class meetings are in a small group discussion format involving approximately 18 students and one faculty member.

The faculty in the fall will be Tami Carmichael (humanities and integrated studies, English), Carl Barrentine (humanities and integrated studies, biology), Kathleen Brokke (humanities and integrated studies), Kathy King (English, women studies), and Mark Magness (writing center, honors).

The program does have limited enrollment; students are accepted on a first come, first served basis. If you have advisees or know of students who might be interested in more information on the fall program, please have them call the integrated studies office at 777-3622, or stop by the office at 134 O’Kelly Hall.

Information is also available on the program web site at <http://www.und.edu/dept/integr8/ispmain.htm>. – *Yvonne Holter, Humanities and Integrated Studies.*

Nomination Deadline Extended

The deadline for meritorious service award nominations has been extended to **Friday, April 19**. All members of the University community are encouraged to nominate eligible employees for the awards by completing the nomination form. Nomination forms are available from personnel services, 313 Twamley Hall, or electronically from the personnel services web site at www.und.edu/orgJan/ops/Forms. – *Diane Nelson, Director, Office of Personnel Services.*

Student Jobs Will Be Posted Soon

It is time to think about summer jobs! We will post FWS/Institutional jobs for summer on **May 8**, so please get your summer listings to us by **Monday, April 22**. Students must complete a summer application, be enrolled half-time (six credits) and be awarded FWS in order to qualify for employment. Applications are available in the student financial aid office, 216 Twamley Hall. Employment eligibility dates for summer are from May 12 to Aug. 24. Please call Cathy at 777-4411, e-mail cathy_jelinek@mail.und.nodak.edu or fax at 777-2040 for FWS jobs or Terri for institutional work at 777-4395 or e-mail job_service@mail.und.nodak.edu. – *Cathy Jelinek, FSW Clerk, Student Financial Aid Office.*

Submit Textbook Requisitions Soon

The due date for fall textbook requisitions for the Barnes & Noble University Bookstore was March 20. We need this information from you for two important reasons: first, we need to adopt each book into our system so we can determine which titles we can buy back from students during the week of buyback, May 3-10. This allows us to give more money to students. It also provides more used books for incoming students, allowing them to save 25 percent compared to new prices. The second reason is to allow our textbook department the time needed to place orders and assure our students enough copies on hand when classes begin. If you have not yet submitted your fall textbook requests to the University Bookstore, please do so as soon as possible so we can provide the best service possible to our students and faculty. –

University Bookstore.

Bookstore Sells Commencement Regalia

Anyone who is interested in marching in this May's commencement, but needs regalia is asked to call or stop by the Barnes & Noble University Bookstore. We supply caps, gowns, hoods, and tassels for all degrees earned at UND and graduation apparel is available year-round. Faculty who have graduated from other institutions may order hoods with their specific school colors. The bookstore can also order custom regalia, which take six to eight weeks for delivery. For inquiries, please contact Michelle Powers, UND Bookstore, at 777-2747.

“Studio One” Features Bicycle Maintenance, UND Spring Football

This week on “Studio One” Pat White, Ski & Bike Shop, will share bicycle maintenance tips. Through a live demonstration, we will learn how to keep our bikes tuned up for spring and how to perform simple repairs without needing the help of a professional.

Also “Studio One,” will feature the kickoff spring practice season for Division II national champions, the University of North Dakota Fighting Sioux football team. With 18 seniors graduating, we'll see what needs to be done to fill those positions.

“Studio One” is an award-winning news and information program produced at the University of North Dakota Television Center. The program airs live at 5 p.m. on UND Channel 3 on Thursdays. Rebroadcasts can be seen at noon, 7 and 11 p.m. daily and on Saturdays at 10 a.m. Prairie Public Television airs “Studio One” on Saturday at 6 a.m. The program can also be seen in Fargo, Bismarck/Mandan, Minot, Minneapolis and Winnipeg, Manitoba. – *Hilary Van de Streek, UND Studio One Marketing Team.*

Replacement Trees

The parent company of the *Grand Forks Herald*, Knight Ridder, has donated \$25,000 to the communities in the Red River Valley that lost trees in the wind storm last August. Thanks to the assistance from John Staley, Mike Fugazzi, and the Grand Forks Park District, UND will get 110 trees this spring to help replace the 300 we lost in the storm. Numerous communities in the valley that lost trees are benefiting from the donation. We thank Knight Ridder, Grand Forks Herald, and the Grand Forks Park District. – *Paul Clark, Associate Director of Facilities.*

Student “Rehire Letters” Distributed

“Rehire letters” for summer 2002 and academic year 2002-2003 have been distributed to all the departments (one per mailbox). If you will be hiring a student through TCC 312 (institutional) monies, but did not receive a letter, we can send you one. Please call Job Service at 777-4395. – *Terri Lawler, Job Service.*

Upcoming U2 Workshops Listed

AFFIRMATIVE ACTION

Supervisor's Role With Work-Related Injuries: April 23, 11 a.m. to noon, 211 Rural Technology Center. This class is designed to identify the role and responsibilities of the supervisor when a work-related injury has taken place. The course will review UND's procedures as well as information about the North Dakota Workers' Compensations Bureau.

Presenter: Claire Moen, affirmative action.

INFORMATION TECHNOLOGY SYSTEMS AND SERVICES

ITSS classes are held in 361 Upson II, and require a working knowledge of Windows or a Windows class. Enrollment is limited to 12 in most cases. A \$10 manual is optional for Access (Levels II and III), Excel, Power Point, Windows, and all Word and WordPerfect classes. The cost for an Access Level I manual is \$16. Instructors: Tracy Uhler, GroupWise; Rose Keeley, TSO and PageCenter; Doris Bornhoeft, E-mail, HTML, and Netscape; Jim Malins, all other classes.

GroupWise 5.5, E-Mail: April 23, 9 to 11 a.m. Find out how to compose e-mail, add attachments, use the address book, customize GroupWise, and handle mail.

GroupWise 5.5 Calendar: April 24, 9 to 11 a.m. An understanding of GroupWise 5.5; E-Mail is recommended before taking this workshop. Learn how to schedule appointments and recurring events, look at someone else's calendar, create folders, and archive your mail.

Access 00, Level I: April 22-26, 1 to 4:15 p.m. (16 hours total). Introduces Access and databases. Create tables, queries, forms, reports, and relationships. Import and export interface.

INSTITUTIONAL RESEARCH

Annual Reporting: Please pre-register for one of the following sessions:

Thursday, April 25: 8 to 9:30 a.m. OR 10:30 a.m. to noon, 361 Upson II. This is a workshop to familiarize campus units with the new standardized format for the annual reporting process. This hands-on workshop will introduce the annual reporting web site, view samples of the core dataset, view available reports, and will explore the basics of Excel interactive tables.

PAYROLL

Monday, April 22, 2:30 to 4:30 p.m., 211 Rural Technology Center. Brian Samson, TIAA/CREF, will present information on retirement options when withdrawing your retirement from TIAA/CREF.

SAFETY AND ENVIRONMENTAL HEALTH

Defensive Driving: April 24, 6 to 10 p.m., 211 Rural Technology Center. This workshop is required by state fleet for all UND employees who drive state fleet vehicles on a regular (monthly) basis, received a traffic violation, or had an accident while operating a state fleet vehicle. Employees are encouraged to bring a family member. This workshop may also reduce your North Dakota insurance premiums and could possibly take away points from your driving record.

Presenter: Mark Frovarp.

Better Safe Than Sorry: April 22, 2 to 4 p.m., 235 Rural Technology Center. This awareness course will cover those general safety issues that all employees should be familiar with regardless of their position. Topics will include: fire safety, incident reporting, safe lifting, ergonomics, hazardous materials, personal protective equipment, and reporting emergencies. Presenter: Jason Uhler, Safety and Environmental Health.

HOW TO REGISTER

Registering for U2 workshops is easy! Contact Amy Noeldner at the University Within the University office by phone, 777-2128, fax, 777-2140, e-mail, U2@mail.und.nodak.edu, or mail to Box 7131. Please provide the following information when you register: your name, department, box number, phone number, Social Security number (for accurate record keeping), and e-mail address; the title and date of the event; and the method of payment (ID billing, personal check, or credit card number and expiration date) if the event has a fee. – Amy Noeldner, University Within the University.

Parenting Program Offers Workshops

The Parent Education Resource Center (PERC), 500 Stanford Road, offers the following programs. Call 795-2765 to

register or for more information. Child care offered for all daytime programs; all classes are held at PERC unless otherwise noted.

Special Seminar, “Kids and Competition,” **Wednesday, April 10**, 7 p.m.

Hidden Keys to Loving Relationships, “Introduction,” featuring Gary Smalley, **Wednesday, April 10**, 1 p.m.

Lunch Box Special, “Balancing Work and Family” presented by Carol Helland, **Thursday, April 11**, 12:10 p.m.

Hands-On Learning Fair, a celebration of children, families and communities playing and learning together, **Saturday, April 13**, 10 a.m. to 1 p.m., Purpur Arena, Grand Forks.

Parent Study Group, “Good Discipline . . . Good Kids,” **Monday, April 15** (continued from Monday, April 8), 7 to 8:30 p.m.

Special Seminar, “Teaching Children Kindness and Respect for Each Other,” **Monday, April 15**, 1 p.m.

Video Series, “Real Power of Parenthood Video Series, Beginnings: Birth to Five,” **Tuesday, April 16**, 7:30 p.m.

Parent Study Group, “Stepfamily Dilemmas,” **Tuesdays, April 16 and 23**, 9:30 to 11 a.m.

Hidden Keys to Loving Relationships, “4 Essential Elements That Relationships Need,” featuring Gary Smalley, **Wednesday, April 17**, 1 p.m.

Special Seminar, “Helping Children Cope with Death and Loss,” **Wednesday, April 17**, 7 p.m.

Parent Study Group, “Positive Discipline,” **Thursdays, April 18 and 25**, 7 to 8:30 p.m.

Parent Study Group, “Family Work: Chores Without Wars,” **Fridays, April 19 and 26**, 9:30 to 11 a.m.

Special Seminar, “Encouraging Motivation in Children,” **Monday, April 22**, 7 p.m.

Video Series, “Real Power of Parenthood Video Series, Consolidation: Six to Eleven,” **Tuesday, April 23**, 7:30 p.m.

Special Seminar, “Understanding Your 10 to 13 Year Old,” **Wednesday, April 24**, 7 p.m.

Hidden Keys to Loving Relationships, “Overcoming the Destroyer of Relationships,” featuring Gary Smalley, **Wednesday, April 24**, 1 p.m.

Parent Study Group, “Transitions: From Endings to Beginnings and Coping with Unexpected Transitions,” **Wednesday, April 24** (continued from Wednesday, April 10), 9:30 to 11 a.m.

Lunch Box Special, “Life Is a Celebration” presented by Carol Helland, **Thursday, April 25**, 12:10 p.m.

Special Session by the Arc Upper Valley and PERC, “Family Ideas for the Summer,” **Thursday, April 25**, 7 p.m.

Special Seminar, “Helping Children Handle Peer Pressure,” **Monday, April 29**, 7 p.m.

Video Series, “Real Power of Parenthood Video Series, Flexibility and Launching: 12 and Up,” **Tuesday, April 30**, 7:30 p.m.

Special Seminar, “Tame That Toddler!” **Tuesday, April 30**, 9:30 a.m.

Hidden Keys to Loving Relationships, “Communicate to Increase Understanding,” featuring Gary Smalley, **Wednesday, May 1**, 1 p.m.

Hidden Keys to Loving Relationships, “Becoming Free of Negative Emotions,” featuring Gary Smalley, **Wednesday, May 8**, 1 p.m.

Hidden Keys to Loving Relationships, “Discovering Your Personality Type,” featuring Gary Smalley, **Wednesday, May 15**, 1 p.m.

– Jan Orvik, Editor, for the Parent Education Resource Center.

In Remembrance

Remembering Gerald Lawrence

Gerald Lawrence, associate professor emeritus of humanities and integrated studies, died March 24, 2002, in Eagan, Minn. He was 70.

Gerald C. Lawrence was born Oct. 14, 1931, in Akron, Ohio. He earned his bachelor’s degree in mechanical engineering in 1953 from Case Institute of Technology, and a master’s degree in physics in 1962, also from Case. In 1968, he earned a Ph.D. in history from the University of Oklahoma. In the early 1950s, he worked as a mechanical engineer and nuclear specialist. He served two years in the U.S. Army and was stationed in Germany.

Before joining the UND faculty in 1965, Lawrence spent a year as a history instructor at Oklahoma City University. He served as coordinator of the humanities program and co-founded, with Pat Sanborn, the integrated studies program in 1987, for which they were honored with a faculty achievement award. He retired in 1991 and moved to Eagan. He taught two years in China and remained active as a teaching correspondence course instructor for UND.

“Although I worked with Jerry for several years, I met him first as a student,” said Yvonne Holter, administrative secretary with the honors and integrated studies program. “I’m not sure how long I knew him before I even knew his last name, let alone that he had a Ph.D. He preferred that students address him as Jerry, and that informal approach made him a well-liked professor. Jerry loved working with students and had a knack for challenging them to think about themselves and the world in ways they had never done before. And he was always willing to think carefully about what they had to say and respond to them with respect. When I once asked him to comment on a paper I’d written and which he’d evaluated, he not only re-read the paper, but he then sat down and wrote a lengthy response which clearly indicated that he had thought carefully about my ideas and then challenged me to re-think them by asking me questions that revealed new viewpoints. His response was nearly as long as my paper.

“One of my favorite memories of Jerry is of him visiting with another faculty member and commenting on what a delight teaching was: ‘I get to read interesting books and sit around with students talking about the ideas in them. It’s a great life. And I get paid to do it!’ A complex and thoughtful man, Jerry never took himself or his ideas too seriously. He would often end an historically based idea he was proposing on a topic with: ‘Or not. Whatever.’ Then he would laugh.”

“I first met Jerry Lawrence in the summer of 1979,” said Laura Driscoll, credit correspondence coordinator with continuing education. “I was fresh out of high school and Humanities 101 was my first college course. The class was nothing like I had expected. Rather than spending time memorizing details from the books we read, Jerry spent class time encouraging students to develop their own opinions on the stories. He encouraged his students to think deeper, past their initial interpretation of passages. It was a great way to begin my college experience.

“In 1999, when I returned to UND to work in the correspondence study department, I was pleased to learn that Jerry was an instructor in the program. He had retired from the university but continued to teach students from wherever he called home, which at the time was China. The correspondence course he had written was very personal, beginning with a 13-page letter to the student. In that letter, he asked the student to write him letters about the assigned books. The lessons were to be conversations between the student and himself. His encouragement and feedback continued to inspire students. The comments he received on student evaluations were always positive. One student wrote, ‘I appreciated the feedback from my instructor – more feedback than I’ve ever received in the classroom.’ Another student wrote, ‘The instructor did a good job of motivating me to do better after my desire to finish the course had dropped off...he provided a good old kick in the pants by mail.’”

“Though many people knew about Jerry’s abilities as a teacher, philosopher, and historian, I think that few knew of his extraordinary administrative talents,” said Pat Sanborn, who co-created the integrated studies program with Lawrence.

“Not only did he establish and lead two innovative interdisciplinary programs; he also ran one of the most harmonious and creative departments at the University. None of those who worked with him will forget his roars of laughter at meetings when he uncovered yet another absurd bureaucratic misstep. Jerry was superb at encouraging his staff to take new directions and to try out new ways of thinking about teaching and learning. His support of teaching experimentation made our staff meetings places of exciting faculty interchanges. I do not remember one case of serious conflict during the 25 years I worked with him. When we were in doubt about any decision, he would quote Schopenhauer with a grin, delightfully obscuring an issue that probably should not have been an issue in the first place.

“Jerry’s early retirement was a great loss to UND. His dedication to teaching, however, remained deep. He taught for two years in China and maintained a humanities correspondence course that was truly outstanding. In many ways, he was a model faculty member for an institution with a strong commitment to teaching.”

“Jerry aspired to bring his students to the edges of the known, so that they might glimpse that which can never be discovered,” said Carl Barrentine, associate professor of humanities and integrated studies. “In his death, as in his life, Jerry helped me to value the cultivation of consciousness without diminishing my ability to anticipate serendipity. I will never forget Jerry. He was a friend and mentor, my Socrates.”

He is survived by his wife, Ruth; children, Renate, Ingrid, Dietrich (Gwen), Emily and Anne Lawrence; three grandchildren; and a sister, Joan Rogers.

-- Jan Orvik, with information from Yvonne Holter, Laura Driscoll, Pat Sanborn, Carl Barrentine and the Grand Forks Herald.

Grants and Research

Undergrad Research Projects Sought

North Dakota Experimental Program to Stimulate Competitive Research (ND EPSCoR) is pleased to announce the 2002 students engaged in environmental research (STEER) program.

STEER provides undergraduate students the opportunity to participate in faculty-mentored environmental research projects at the two research campuses – UND and NDSU. The goal of STEER is to encourage undergraduate students to consider a career in environmental science or engineering.

Student applications are due Friday, April 26, and application information is available at www.ndsu.edu/epscor/science_outreach. – David Givers, ND EPSCoR, NDSU, Fargo.

Grants Available To Examine Commercialization Of Research

ND EPSCoR phase 0 technology research into commercialization call for proposals is available on the web at www.ndsu.nodak.edu/epscor/sft.

The phase 0 grant program is designed to help North Dakota University System (NDUS) researchers and faculty discover if their research has potential for commercialization. The Phase 0 award is used to obtain data leading to a “proof of concept” and determine if the proposed research has merit for commercialization. Awardees use phase 0 findings to write and submit at least one phase 1 SBIR or STTR proposal.

Faculty, post-doctoral researchers, and graduate students from any NDUS campus are eligible. Researchers can submit as their own company, on behalf of a company with which they are associated, or in collaboration with a company. Applications submitted by graduate students are judged separately from experienced researchers. ND EPSCoR plans to make up to 10 awards in the range of \$1,000 to \$4,000.

Please direct your questions to me. – David Givers, ND EPSCoR, NDSU, (701) 231-7516 or david.givers@ndsu.nodak.edu.

Research, Grant Opportunities Listed

Following are research and grant opportunities. For additional information, contact the Office of Research and Program Development at 777-4278 or shirley_griffin@mail.und.nodak.edu.

AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (AHRQ)

Changing Practices, Changing Lives: Assessing the Impacts of the HRSA Health Disparities Collaboratives (HS-02-005)–Support for cooperative agreement research projects that will assess HRSA-sponsored Health Disparities Collaboratives (HDCs). **Deadlines:** 5/15/02 (Letter of Intent), 6/12/02 (Application). **Contact:** Daniel Stryer, 301-594-4038; dstryer@AHRQ.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HS-02-005.html>.

Evaluation of Demonstrations: “Rewarding Results” (HS-02-006)–Support for comprehensive evaluation and analysis of a major national initiative to demonstrate the impact of financial and nonfinancial incentives on quality of health care. **Deadline:** 5/20/02. **Contact:** Michael Hagan, 301-594-6818; MHagan@AHRQ.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HS-02-006.html>.

Support for health services dissertation research. **Deadlines:** 5/15/02, 9/15/02, 1/15/03. **Contact:** Greta Drott, 301-594-3421; gdrott@ahrq.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-00-076.html>.

CAMILLE AND HENRY DREYFUS FOUNDATION, INC.

Support for new faculty members at the start of their research and teaching activities in chemistry, chemical engineering, or biochemistry. **Contact:** Executive Director, 212-753-1760; admin@dreyfus.org; <http://www.dreyfus.org/su.shtml>. **Deadline:** 5/15/02.

CANDLE FOUNDATION

Support for programs focusing on education and information dissemination, community investment, preventive health services, hunger and homelessness, and medical research. **Contact:** Marti Mossawir, 310-727-4041; Martha_mossawir@candle.com; http://www.candle.com/about_candle/candle_foundation/about_our_grants.html. **Deadline:** 5/15/02.

CHARLES A. DANA FOUNDATION, INC.

Clinical Hypotheses Program in Imaging: Using Brain Imaging Innovations to Improve Human Health–Support for research that uses neuroimaging technologies to gain a better understanding of causes of and treatment for brain diseases and disorders. **Deadline:** 5/02/02. **Contact:** Donnis D. Glover, 745 Fifth Avenue, Suite 700; New York, NY 10151; <http://www.dana.org/grants/health/proposals/imaging.cfm>.

COTTRELL COLLEGE SCIENCE AWARDS

Support for research in astronomy, chemistry, and physics. **Deadlines:** 5/15/02, 11/15/02. **Contact:** Science Advancement Program, 520-571-1111; awards@rescorp.org; http://www.rescorp.org/ccsa_guidelines.htm.

DEPARTMENT OF THE ARMY

Department of Defense Neurofibromatosis Research Program (SOL CBD-NFRP-0311). **Deadlines:** 5/21/02 (Letter of Intent), 6/24/02 (Application). **Contact:** Burzie Baker, 301-619-2035; BC.Baker@amedd.army.mil; <http://cdmrp.army.mil>.

DEPARTMENT OF ENERGY (DOE)

Support for research that contributes to integrated assessment of global climate change. **Deadline:** 5/14/02. **Contact:** John Houghton, 301-903-8288; john.houghton@science.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-6547-filed.

Support for innovative experiments in fusion energy confinement systems. **Deadline:** 5/15/02. **Contact:** Steve Eckstrand, 301-903-5546; steve.eckstrand@science.doe.gov; http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2002_register&docid=02-6037-filed.

DEPARTMENT OF JUSTICE

Graduate Research Fellowship–Support for doctoral students undertaking independent research on issues in crime and justice. **Contact:** 800-851-3420; askncjrs@ncjrs.org; <http://www.ojp.usdoj.gov/nij>. **Deadlines:** 5/15/02, 9/16/02.

DEPARTMENT OF TRANSPORTATION (DOT)

White Papers are sought for cost-shared activities to address research that will complement and enhance pipeline safety (DTRS56-02-BAA-0003). **Contact:** Warren Osterberg, 202-366-6942; warren.osterberg@rspa.dot.gov; <http://www.dot.gov>. **Deadline:** 5/6/02.

EDUCATIONAL TESTING SERVICE (ETS)

Jacqueline A. Ross Dissertation Award –Support for research that makes a significant and original contribution to knowledge about and/or use and development of second/foreign language tests and testing. **Contact:** Eileen Tyson, 609-683-2078; toefl@ets.org; <http://www.toefl.org/educator/edaward.html>. **Deadline:** 5/15/02.

NATIONAL ALLIANCE FOR RESEARCH ON SCHIZOPHRENIA AND DEPRESSION

Distinguished Investigator Award–Support for innovative projects in diverse areas of neurobiological research. **Contact:** Audra Moran, 516-829-5576; amoran@narsad.org; <http://www.mhsource.com/narsad/research/digdl.html>. **Deadlines:** 5/15/02.

NATIONAL CANCER INSTITUTE (NCI); AGENCY FOR HEALTHCARE RESEARCH AND QUALITY (AHRQ)

Colorectal Cancer Screening in Primary Care Practice (PAR-02-042)–Support for research to improve delivery and uptake and evaluate short-term outcomes of colorectal cancer screening in primary care practice. **Deadlines:** 5/16/02, 9/18/02, 1/16/03 (Letter of Intent); 6/20/02, 10/23/02, 2/20/03 (Application). **Contact:** Carrie Klabunde, Applied Research Program, NCI, 301/402-3362, ck97b@nih.gov; Helen Meissner, Behavioral Research Program, NCI, 301/435-2836, hm36d@nih.gov; David Lanier, Primary Care Research, AHRQ, 301/594-1489, dlanier@ahrq.gov; <http://grants2.nih.gov/grants/guide/pa-files/PAR-02-042.html>.

NATIONAL EYE INSTITUTE (NEI)

Ocular Albinism and the Neuroscience of Retinal Ganglion Cell Axon Guidance (RFA-EY-02-001). **Contact:** Peter A. Dudley, 301-496-0484; pad@nei.nih.gov; <http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-02-001.html>. **Deadline:** 5/15/02.

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)

Basic Research on Mesenchymal Stem Cell Biology (RFA-HL-02-018). **Contact:** John W. Thomas, 301-435-0050; ThomasJ@nhlbi.nih.gov; <http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-02-018.html>. **Deadlines:** 5/15/02 (Letter of Intent), 6/20/02 (Application).

Molecular and Cellular Mechanisms Involved in Hypersecretion of Mucus and Mucous Cell Metaplasia in Human Airway Diseases (RFA-HL-02-011). **Deadlines:** 5/17/02 (Letter of Intent), 6/14/02 (Application). **Contact:** Tom Croxton, 301-435-0202; croxtont@nhlbi.nih.gov; <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-02-011.html>.

Short-term Training for Minority Students Program (T35) (RFA HL-02-025)–Short-term research support to underrepresented minority undergraduate and graduate students and students in health professional schools to provide career opportunities in cardiovascular, pulmonary, hematologic and sleep disorders research. **Deadlines:** 5/20/02 (Letter of Intent), 6/19/02 (Application). **Contact:** Anne Clark, 301-435-0270; clarka@nhlbi.nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HL-02-025.html>.

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI); NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK)

Pathophysiologic Mechanisms of Obesity-Associated Cardiovascular Disease (RFA-HL-02-016). **Deadlines:** 5/20/02 (Letter of Intent), 6/19/02 (Application). **Contact:** Abby G. Ershow, NHLBI, 301-435-0550 or 435-0526, Ershowa@nhlbi.nih.gov; Carl E. Hunt, NHLBI, 301-435-0199, HuntC@nhlbi.nih.gov; Susan Z. Yanovski, NIDDK, 301-594-8882, sy29f@nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HL-02-016.html>.

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)

Impact of Microbial Interactions on Infectious Diseases (RFA: AI-02-008)–Support to develop innovative, exploratory approaches that would contribute to understanding of mechanisms that impact on virulence of infections involving two

or more microorganisms or strains of microorganisms with the exception of HIV. **Deadlines:** 5/21/02 (Letter of Intent), 6/21/02 (Application). **Contact:** Christopher E. Taylor, 301-496-5305; ct18m@nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-AI-02-008.html>.

NATIONAL INSTITUTE OF BIOMEDICAL IMAGING AND BIOENGINEERING (NIBIB)

National Research Service Award Institutional Research Training Grants (NOT-EB-02-002)--Support to develop or enhance research training opportunities for individuals training for careers in multi-disciplinary research concerned with biology and medicine. **Deadlines:** 5/10/02, 9/10/02, 1/10/03. **Contact:** Richard E. Swaja, 301-451-6768; swajar@nibib.nih.gov; <http://grants2.nih.gov/grants/guide/notice-files/NOT-EB-02-002.html>.

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT (NICHD); NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS (NIDCD)

Augmentative and Alternative Communication Strategies for Treatment of Acquired Cognitive-linguistic Disorders (RFA-HD-02-002). **Deadlines:** 5/15/02 (Letter if Intent), 6/12/02 (Application). **Contact:** Beth M. Ansel, (NICHD), 301-402-2242, Beth_Ansel@nih.gov; Lana Shekim, (NIDCD), 301-496-5061, Shekiml@nidcd.nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-HD-02-002.html>.

NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK)

George M. O'Brien Kidney Research Centers Program (RFA-DK-02-028)--Goals are to: continue to attract new scientific expertise into the study of basic mechanisms of kidney diseases and disorders; encourage multidisciplinary research focused on causes of these diseases; explore new basic areas that may have clinical research application; and generate Developmental Research (DR)/Pilot and Feasibility (P&F) studies anticipated to lead to new and innovative approaches to study kidney disease, and eventual submission of competitive investigator-initiated R01 research grant applications. **Deadlines:** 5/21/02 (Letter of Intent), 6/19/02 (Application). **Contact:** M. James Scherbenske; 301-594-7719; js255f@nih.gov; <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-02-028.html>.

NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)

Initiative for Minority Students: Bridges to the Doctorate (PAR-02-083) and Initiative for Minority Students: Bridges to the Baccalaureate (PAR-02-084)--Support for programs that facilitate transition of students from associate- to baccalaureate-degree granting institutions and from master's- to doctoral-degree granting institutions. **Deadlines:** 5/14/02, 11/14/02, 5/14/03. **Contact:** Irene Eckstrand, 301-594-5402; eckstrai@nigms.nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PAR-02-083.html>.

NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH); NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS); NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

Viral Genetics in HIV/CNS Disease: Implications for Pathogenesis (RFA-MH-02-012)--Support for studies focused on understanding molecular and viral genetic factors controlling HIV-1 neuropathogenesis in the setting of highly active anti-retroviral therapy (HAART). **Deadlines:** 5/15/02 (Letter of Intent); 6/12/02(Application). **Contact:** Jeymohan Joseph, NIMH, 301-443-6100, jjeymoha@mail.nih.gov; Toby Behar, (NINDS), 301-496-1431, behart@ninds.nih.gov; Charles Sharp, (NIDA), 301-443-1887; cs107m@nih.gov; <http://grants2.nih.gov/grants/guide/rfa-files/RFA-MH-02-012.html>.

NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)

Facilities of Research in Spinal Cord Injury (NIH-NINDS-BAA-RFP-02-09)--Support to establish training and research facilities that would support study of rodent models of spinal cord injury (SCI). **Contact:** Laurie Leonard, 301-496-1813; ll44s@nih.gov; <http://www.fedbizopps.gov>; <http://www.ninds.nih.gov/funding/currentrfps.htm>. **Deadline:** 5/20/02.

NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)

Imaging-Science Track Award for Research Transition (I/START) (PAR-02-058)--Support to facilitate entry of new investigators into brain imaging/clinical neurobiology research. **Deadlines:** 5/14/02, 10/1/02, 2/1/03. **Contact:** Joseph Frascella, 301-443-4877; jf80t@nih.gov; <http://www.drugabuse.gov/researchers.html>; <http://grants2.nih.gov/grants/guide/pa-files/PAR-02-058.html>.

NATIONAL INSTITUTES OF HEALTH (NIH)

Academic Research Enhancement Award (AREA)--Support to stimulate research in educational institutions that provide baccalaureate training for a significant number of research scientists but have not been major recipients of NIH support. Funds are intended to support new ("type 1") and ongoing ("renewal" or "competing continuation" or "type 2") health-related research projects. Funds are provided for small-scale research projects. See the Program Announcement at the site listed below for research objectives of the individual NIH Institutes and Centers. **Deadlines:** 5/25/02, 9/25/02, 1/25/03. **Contact:** Div. of Extramural Outreach & Info. Res. 6701 Rockledge Drive, Bethesda, MD 20892; 301-435-0714; grantsinfo@nih.gov; <http://grants.nih.gov/grants/guide/pa-files/PA-99-062.html>.

Large-scale Genotyping for the Haplotype Map of the Human Genome (RFA HG-02-0050). **Deadlines:** 4/25/02 (Letters of Intent), 5/29/02 (Applications). **Contact:** Lisa Brooks, NHGRI, 301-435-5544, lisa_brooks@nih.gov; Wendy Wang, NCI, 301-594-7607, wangw@mail.nih.gov; Peter Dudley, NEI, 301-451-2020, pad@nei.nih.gov; <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-02-005.html>.

NATIONAL ORGANIZATION FOR RARE DISORDERS

Support for clinical research studies related to the early detection, diagnosis, or treatment of patients with mastocytosis. **Deadlines:** 5/15/02 (Letters of Intent), 8/1/02 (Full Proposals). **Contact:** 100 Rt. 37, P.O. Box 8923, New Fairfield, CT 06812-8923; Lcataldo@raredisease.org; <http://www.raredisease.org>.

NATIONAL SCIENCE FOUNDATION (NSF)

Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR)--Funding for research to better understand behavior of atmospheric regions from the middle atmosphere upward through the thermosphere and ionosphere into the exosphere in terms of coupling, energetics, chemistry, and dynamics on regional and global scales. **Contact:** Sunanda Basu, 703-292-8529; sbasu@nsf.gov; <http://www.nsf.gov/pubs/2002/nsf02070/nsf02070.txt>. **Deadline:** 5/15/02.

High Performance Network Connections (HPNC) (NSF-02-073)--Support to establish high performance Internet connections (at or above 45mbits per second) where required to facilitate cutting edge science and engineering research. **Deadline:** 5/22/02. **Contact:** Gregory E. Monaco, 703-292-8948; gmonaco@nsf.gov; <http://www.nsf.gov/pubs/2002/nsf02073/nsf02073.txt>.

September 11 Special Program--Funding for exploratory projects to address special problems and issues arising from the events of September 11, 2001. **Deadline:** 5/15/02. **Contact:** George Hazelrigg, 703-292-7068; ghazelri@nsf.gov; <http://www.nsf.gov/pubs/2002/nsf02052/nsf02052.htm>.

Teacher Enhancement (TE)--Support for professional development projects to broaden and deepen content knowledge and pedagogical skills of teachers in science, mathematics, and technology. **Deadlines:** 5/17/02 (Preliminary Proposal), 9/10/02 (Full Proposal). **Contact:** Cheryl Mason, 703-292-5117; clmason@nsf.gov; <http://www.nsf.gov/cgi-bin/getpub?nsf0160>.

W. M. KECK FOUNDATION

Support for studies and programs in science, engineering, liberal arts, medical research, and education. **Contact:** 213-680-3833; info@wmkeck.org; <http://www.wmkeck.org/files/grant.html>. **Deadlines:** 5/15/02 (Letter of Inquiry); 11/15/02 (Application).

XCEL ENERGY FOUNDATION

Support for projects in education, building stronger communities, and arts and culture. **Contact:** James Rhode, 800-328-8226; james.d.rhodes@xcelenergy.com; <http://www.xcelenergy.com/XcelFoundation/xcelFdnPrcess.ASP>. **Deadlines:** 5/8/02, 8/7/02.

-- William Gosnold, Interim Director, Office of Research and Program Development.

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